

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--------------------------------------|--|------------------|---------|------------------|
| L1 | 1994 | 709/231.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:13 |
| L2 | 20 | l1 and extract\$3 near4 instructions | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:13 |
| L3 | 3220 | 715/513.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L4 | 515 | 725/112.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L5 | 1540 | 709/200.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L6 | 10546 | 709/201-203.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L7 | 31867 | 709/217-230.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |

EAST Search History

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|-----|------|-------------------|--|----|----|------------------|
| L8 | 6900 | 709/232-238.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L9 | 1879 | 718/100.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:14 |
| L10 | 3387 | 719/311-318.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:15 |
| L11 | 992 | 719/310.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:15 |
| L12 | 480 | 719/330.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:15 |
| L13 | 624 | 717/100.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:15 |
| L14 | 1058 | 717/101-104.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:16 |

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|-----|-------|--|--|----|----|------------------|
| L15 | 515 | 725/112.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:16 |
| L16 | 3404 | 715/513,752.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:16 |
| L17 | 351 | 379/265.09.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:16 |
| L18 | 52653 | l3 or l4 or l5 or l6 or l7 or l8 or l9 or l10 or l11 or l12 or l13 or l14 or l15 or l16 or l17 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:17 |
| L19 | 427 | l18 and extract\$3 near4 instructions | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:17 |
| L20 | 34 | l19 and stream\$5 and content near2 server | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:17 |
| L21 | 855 | l18 and download\$5 near5 instruction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:18 |

EAST Search History

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|-----|-------|---|--|----|-----|------------------|
| L22 | 20 | I21 and attribute near8 record | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:18 |
| S1 | 3883 | 709/230-235.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:46 |
| S2 | 20869 | 709/201-205,217-228.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:46 |
| S3 | 23152 | 709/230-235.ccls. or 709/201-205, 217-228.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 11:04 |
| S4 | 6 | (709/230-235.ccls. or 709/201-205, 217-228.ccls.) and (content adj server) same stream\$3 same director | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:32 |
| S5 | 2 | manag\$3 near5 (content adj server) same servlet | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:39 |
| S6 | 4 | director near5 (content adj server) same servlet | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:47 |
| S7 | 13 | director near8 (content adj server) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 09:48 |
| S8 | 9 | (director near8 (content adj server)) not (director near5 (content adj server) same servlet) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:40 |
| S9 | 0 | transcod\$3 near5 (content adj server) same servlet | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:48 |
| S10 | 5 | transcod\$3 near5 (server) same servlet | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:54 |
| S11 | 16 | transcod\$3 same (server) same servlet and IBM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/08/22 12:54 |
| S12 | 1 | ("20020087655").PN. | US-PGPUB; USOCR | OR | OFF | 2004/09/02 09:48 |
| S13 | 7 | manager near8 (content adj server) and servlet and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:06 |
| S14 | 0 | ((content adj server) same servlet) same (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:06 |

EAST Search History

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|-----|------|--|---------------------------------|----|----|------------------|
| S15 | 8 | ((content adj server) same servlet) and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:11 |
| S16 | 2 | ((content adj server) same schedule same servlet) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:12 |
| S17 | 2 | ((content adj server) same Javabeen) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:16 |
| S18 | 15 | ((content adj server) same JSP) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 10:28 |
| S19 | 39 | ((content adj server) same script) and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 11:10 |
| S20 | 49 | ((content adj server) near8 instruction) and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 11:11 |
| S21 | 9 | ((content adj server) near3 instruct) and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 11:12 |
| S22 | 18 | ((content adj server) near3 instruction) and (JPEG or MP3 or MPEG) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/02 11:16 |
| S23 | 3163 | 709/235-238.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 14:28 |
| S24 | 10 | 709/235-238.ccls. and ((gateway or server) near8 transcoding) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 14:33 |
| S25 | 7 | (gateway or server) near8 transcoding near8 (email or (e adj mail)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 14:39 |
| S26 | 17 | (gateway or server) near8 transform\$3 near8 (email or (e adj mail)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:07 |
| S27 | 10 | transcoding near5 (email or (e adj mail)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:08 |
| S28 | 4 | (transcoding near5 (email or (e adj mail))) not ((gateway or server) near8 transform\$3 near8 (email or (e adj mail))) not ((gateway or server) near8 transcoding near8 (email or (e adj mail))) not (709/235-238.ccls. and ((gateway or server) near8 transcoding)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:12 |

EAST Search History

| | | | | | | |
|-----|-----|--|---------------------------------|----|-----|------------------|
| S29 | 27 | WML near5 conversion near5 HTML | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:13 |
| S30 | 0 | WML near5 conversion near5 HTML same ((e adj mail) or email) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:13 |
| S31 | 6 | WML near5 conversion near5 HTML and ((e adj mail) or email) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:16 |
| S32 | 583 | WAP adj gateway | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:16 |
| S33 | 6 | WAP adj gateway same ((e adj mail) or email) and (MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:27 |
| S34 | 223 | mail adj server and (international adj business\$.as.) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:28 |
| S35 | 7 | mail adj server and (international adj business\$.as.) and transcoding | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 15:37 |
| S36 | 13 | (international adj business\$.as.) and transcoding and (email or (e adj mail)) and (JPEG or MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:10 |
| S37 | 103 | IIS same (email or (e adj mail)) and (JPEG or MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:10 |
| S38 | 3 | IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:11 |
| S39 | 103 | "IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:11 |
| S40 | 19 | "IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:11 |
| S41 | 19 | ("IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)) not (IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:46 |
| S42 | 88 | MIME and POP3 and URL and JPEG | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:47 |
| S43 | 15 | MIME and POP3 and URL and (JPEG and transcoding) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:53 |

EAST Search History

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|-----|----|---|---------------------------------|----|-----|------------------|
| S44 | 15 | (US-20020194366-\$ or US-20020194483-\$ or US-20020194501-\$ or US-20020196935-\$ or US-20020199001-\$ or US-20020199096-\$ or US-20020178360-\$ or US-20030187936-\$ or US-20030135563-\$ or US-20030135561-\$ or US-20030135560-\$ or US-20030041110-\$ or US-20030009694-\$ or US-20020165912-\$ or US-20020010746-\$).did. | US-PGPUB | OR | OFF | 2004/09/03 17:49 |
| S45 | 15 | (MIME and POP3 and URL and (JPEG and transcoding)) and (JPEG and transcoding) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:50 |
| S46 | 13 | ((US-20020194366-\$ or US-20020194483-\$ or US-20020194501-\$ or US-20020196935-\$ or US-20020199001-\$ or US-20020199096-\$ or US-20020178360-\$ or US-20030187936-\$ or US-20030135563-\$ or US-20030135561-\$ or US-20030135560-\$ or US-20030041110-\$ or US-20030009694-\$ or US-20020165912-\$ or US-20020010746-\$).did.) and (JPEG same transcoding) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/03 17:53 |
| S47 | 4 | MIME and POP3 and URL and (JPEG same transcode) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:53 |
| S48 | 1 | MIME and POP3 and URL and (JPEG same (transforming or transform)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:55 |
| S49 | 9 | MIME and URL and (JPEG same (transforming or transform)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 17:59 |
| S50 | 17 | MIME and (JPEG same (transforming or transform)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 18:00 |
| S51 | 3 | ((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transforming or transform)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 18:02 |

EAST Search History

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|-----|------|---|---------------------------------|----|-----|------------------|
| S52 | 14 | ((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transcod\$5)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/03 18:03 |
| S53 | 63 | (user adj control) same broadcast\$3 same stream\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:44 |
| S54 | 63 | "user control" same broadcast\$3 same stream\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:45 |
| S55 | 873 | (play or pause or stop) same broadcast\$3 same stream\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:45 |
| S56 | 317 | (play or pause or stop) same broadcast\$3 same stream\$3 and client and server | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:45 |
| S57 | 142 | (play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:46 |
| S58 | 70 | (play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML) and (URL same stream\$3) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:46 |
| S59 | 3 | (play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML) and (URL same stream\$3) and servlet | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/09/05 10:46 |
| S60 | 0 | ("20030177030").PN. | USPAT; USOCR | OR | OFF | 2004/09/07 15:21 |
| S61 | 1 | ("20030177030").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/09/07 15:23 |
| S62 | 1 | ("6564261").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/09/07 15:23 |
| S63 | 1556 | 709/231.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:35 |
| S64 | 6151 | 709/203.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:36 |
| S65 | 0 | 7015/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:36 |
| S66 | 2489 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:36 |

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|-----|-------|----------------------------|---|----|----|------------------|
| S67 | 891 | 719/310.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 16:37 |
| S68 | 1556 | 709/231.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:44 |
| S69 | 6151 | 709/203.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:44 |
| S70 | 2489 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 16:44 |
| S71 | 10689 | S68 or S69 or S70 or S67 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 16:56 |
| S72 | 656 | S71 and (user adj control) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 16:57 |
| S73 | 890 | 719/310.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 17:23 |
| S74 | 511 | 717/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:23 |
| S75 | 1375 | 709/200.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S76 | 31631 | 709/201-203,217-235.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S77 | 2829 | 719/311-318.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |

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|-----|-------|---------------------------|---|----|----|------------------|
| S78 | 753 | 717/101-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S79 | 381 | 725/112.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S80 | 340 | 717/114.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S81 | 139 | 719/311.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S82 | 908 | 714/755,759.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S83 | 890 | 719/310.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 17:24 |
| S84 | 511 | 717/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:24 |
| S85 | 1375 | 709/200.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:25 |
| S86 | 31631 | 709/201-203,217-235.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:25 |
| S87 | 891 | 719/310.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:25 |

EAST Search History

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|-----|-------|--|---|----|----|------------------|
| S88 | 1556 | 709/231.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 17:25 |
| S89 | 6151 | 709/203.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 17:25 |
| S90 | 2489 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/02/16 17:25 |
| S91 | 10689 | S88 or S89 or S90 or S87 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:25 |
| S92 | 47 | S91 and routine near5 URL | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:25 |
| S93 | 39892 | S73 or S74 or S75 or S76 or S77 or S78 or S79 or S80 or S81 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:26 |
| S94 | 47 | S93 and URL same select\$5 near5 routine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:27 |
| S95 | 18 | S93 and broadcast\$5 near5 user adj control | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:28 |
| S96 | 102 | S93 and HTML near5 user near3 control\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:28 |
| S97 | 0 | S93 and remot\$5 same (ident\$5 or identific\$5) same adminstrat\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:30 |

EAST Search History

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|----------|-------|--|---|----|----|------------------|
| S98 | 310 | S93 and remot\$5 same (ident\$5 or identific\$5) same administrat\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:30 |
| S99 | 16 | S93 and remot\$5 near5 (ident\$5 or identific\$5) near5 administrat\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:31 |
| S10 0 | 2 | S93 and extract\$5 near5 dependence near5 instruct\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 17:32 |
| S10 1 | 769 | 717/101-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 14:11 |
| S10 2 | 384 | 725/112.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 14:11 |
| S10 3 | 921 | 714/755,759.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 14:19 |
| S10 4 | 26996 | 709/217-232.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:04 |
| S10 5 | 5088 | 709/236-244.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:04 |
| S10 6 | 1518 | 718/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |

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|----------|------|-------------------|---|----|----|------------------|
| S10 7 | 900 | 719/310.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S10 8 | 2877 | 719/311-318.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S10 9 | 404 | 719/330.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S11 0 | 521 | 717/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S11 1 | 769 | 717/101-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S11 2 | 384 | 725/112.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:05 |
| S11 3 | 349 | 717/114.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:06 |
| S11 4 | 0 | 717/759,755.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:06 |
| S11 5 | 2682 | 715/513,752.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:06 |
| S11 6 | 285 | 379/265.09.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:06 |

EAST Search History

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|----------|-------|---|---|----|-----|------------------|
| S11 7 | 3931 | 709/206,207.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:06 |
| S11 8 | 42406 | S101 or S102 or S103 or S104 or S105 or S106 or S107 or S108 or S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:07 |
| S11 9 | 91 | S118 and (email or (e adj mail)) near5 administration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:07 |
| S12 0 | 642 | S118 and (email or (e adj mail)) near5 administrat\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/29 15:07 |
| S12 1 | 1 | ("6377991").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 08:08 |
| S12 2 | 1 | ("6,842,860").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 08:09 |
| S12 3 | 0 | (S121 or S122) and (bitwise near5 "and") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 08:09 |
| S12 4 | 225 | (bitwise near5 "and" near5 bit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 08:11 |
| S12 5 | 0 | S124 same http | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 08:10 |
| S12 6 | 26 | S124 and http and header | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 08:10 |
| S12 7 | 0 | (bitwise near5 "and" near5 bit) same header | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 08:12 |

EAST Search History

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|----------|------|---|---|----|-----|------------------|
| S12 8 | 6 | (bitwise near5 "and" near5 bit) same string | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 09:05 |
| S12 9 | 1 | ("5757895").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 09:05 |
| S13 0 | 1 | ("6081591").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 09:06 |
| S13 1 | 2 | ((("6081591") or ("5999525"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 09:06 |
| S13 2 | 3 | ((("6081591") or ("5999525") or ("5822420"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 09:06 |
| S13 3 | 2 | ((("6081591") or ("5726984"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 10:47 |
| S13 4 | 3 | ((("6081591") or ("5726984") or ("6,731,625"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 11:57 |
| S13 5 | 17 | "6,731,625" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 11:57 |
| S13 6 | 1 | ("6,731,625").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 11:57 |
| S13 7 | 4 | ((("5920725") or ("5995472") or ("6430570") or ("6298478"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/12 17:05 |
| S13 8 | 5 | ((("5920725") or ("5995472") or ("6430570") or ("6298478") or ("20020087655"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/12 17:40 |
| S13 9 | 4 | director adj authority | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:42 |
| S14 0 | 1120 | event adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:42 |
| S14 1 | 3 | event adj filter near5 chain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:45 |

EAST Search History

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| S14 2 | 2 | filter near chain near2 event | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:47 |
| S14 3 | 13 | multiple near2 event near filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:52 |
| S14 4 | 1 | S143 and transform\$5 near5 event | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:52 |
| S14 5 | 44 | transform\$5 near5 event near5 filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:52 |
| S14 6 | 17 | transform\$5 near3 event near3 filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:52 |
| S14 7 | 10 | transform\$5 near2 event near2 filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/12 19:52 |
| S14 8 | 910 | 719/310.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/04/28 13:29 |
| S14 9 | 523 | 717/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 0 | 1398 | 709/200.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 1 | 32882 | 709/201-203,217-235.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |

EAST Search History

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|----------|------|-------------------|---|----|----|------------------|
| S15 2 | 2913 | 719/311-318.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 3 | 784 | 717/101-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 4 | 397 | 725/112.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 5 | 355 | 717/114.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 6 | 1398 | 709/200.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:29 |
| S15 7 | 1616 | 709/231.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/04/28 13:30 |
| S15 8 | 6367 | 709/203.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/04/28 13:30 |
| S15 9 | 2589 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/04/28 13:30 |
| S16 0 | 2589 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/04/28 13:30 |
| S16 1 | 523 | 717/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:30 |
| S16 2 | 142 | 719/311.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:30 |

EAST Search History

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|----------|-------|---|---|----|----|------------------|
| S16 3 | 934 | 714/755,759.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:30 |
| S16 4 | 41414 | S148 or S149 or S150 or S151 or S152 or S153 or S154 or S155 or S156 or S157 or S158 or S159 or S160 or S161 or S162 or S163 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:31 |
| S16 5 | 20 | S164 and transcod\$5 near5 attribut\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:32 |
| S16 6 | 77 | transcod\$5 near5 attribut\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:32 |
| S16 7 | 1887 | digital near5 stream\$5 near5 format | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:32 |
| S16 8 | 99 | S167 and transcod\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/28 13:32 |
| S16 9 | 35059 | 709/201-203,217-235.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 10:45 |
| S17 0 | 31982 | 709/201-205,217-228.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:46 |
| S17 1 | 5843 | 709/230-235.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:46 |
| S17 2 | 384 | 717/114.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 10:46 |
| S17 3 | 6765 | 709/203.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:46 |

EAST Search History

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|----------|-------|---|---------------------------------|----|----|------------------|
| S17 4 | 2794 | 715/513.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:47 |
| S17 5 | 39223 | S169 or S170 or S171 or S172 or S173 or S174 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:47 |
| S17 6 | 96 | S175 and macro near5 control\$5 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 10:47 |

Patent Assignment Abstract of Title

Total Assignments: 1**Application #:** 09882173 **Filing Dt:** 06/14/2001**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** US20030009575**Pub Dt:** 01/09/2003**Inventors:** William Kress Bodin, Derral Charles Thorson**Title:** Assignable director authority for control of streaming digital content**Assignment: 1****Reel/Frame:** 011920 /
0644**Received:**
06/27/2001**Recorded:**
06/14/2001**Mailed:**
09/04/2001**Pages:**
3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** BODIN, WILLIAM KRESS**Exec Dt:** 06/14/2001THORSON, DERRAL CHARLES**Exec Dt:** 06/14/2001**Assignee:** INTERNATIONAL BUSINESS MACHINES CORPORATION

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Correspondent: IBM CORPORATION

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1 [Mobile computing and applications \(MCA\): A content classification and filtering server for the internet](#)



Marcos Forte, Wanderley Lopes de Souza, Antonio Francisco do Prado

 April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**

Publisher: ACM Press

 Full text available: pdf(281.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The amazing growth of the Web in recent years, which includes content inappropriate for some classes of users, has gone hand in hand with increasingly sophisticated mobile access devices (e.g., cell phones). In this context, a major challenge is the dynamic adaptation of content, which allows these devices to access any given content independently of its original format, allied to a number of added value services such as virus scanning, language translation and content filtering. This article pr ...

Keywords: CC/PP, ICAP, adaptation, adaptation policy, content filtering, profiles, rules

2 [Multimedia and visualization: Dynamic structuring of web information for access visualization](#)



Jess Y. S. Mak, Hong Va Leong, Alvin T. S. Chan

 March 2002 **Proceedings of the 2002 ACM symposium on Applied computing SAC '02**

Publisher: ACM Press

 Full text available: pdf(765.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Internet has led to the formation of a global information infrastructure. To explore a web site, a site map would be useful as a short cut for a user to locate for the target information in a structured and efficient manner, rather than drilling into the web site following hyperlinks, reading possibly irrelevant information. Useless information impacts a mobile web environment, where mobile clients are only connected with unreliable wireless channels of limited bandwidth. Structured web page ...

Keywords: DOM, VRML, XML, visualization, web document structure

3 [Engineering client systems: Extracting content from accessible web pages](#)



Suhit Gupta, Gail Kaiser

 May 2005 **Proceedings of the 2005 International Cross-Disciplinary Workshop on Web Accessibility (W4A) W4A '05**

Publisher: ACM PressFull text available:  pdf(854.56 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Web pages often contain clutter (such as ads, unnecessary animations and extraneous links) around the body of an article, which distracts a user from actual content. This can be especially inconvenient for blind and visually impaired users. The W3C's Web Accessibility Initiative (WAI) has defined a set of guidelines to make web pages more compatible with tools built specifically for persons with disabilities. While this initiative has put forth an excellent set of principles, unfortunately many ...

Keywords: DOM trees, HTML, accessibility, content extraction, context, reformatting, speech rendering

4 [Demo sessions: Demo group D: XML & the web: MyPortal: robust extraction and aggregation of web content](#)

Marek Kowalkiewicz, Tomasz Kaczmarek, Witold Abramowicz

September 2006 **Proceedings of the 32nd international conference on Very large data bases - Volume 32 VLDB'2006****Publisher:** VLDB EndowmentFull text available:  pdf(722.49 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We demonstrate myPortal - an application for web content block extraction and aggregation. The research issues behind the tool are also explained, with an emphasis on robustness of web content extraction.

5 [Server performance and scalability: Challenges and practices in deploying web acceleration solutions for distributed enterprise systems](#)

Wen-Syan Li, Wang-Pin Hsiung, Oliver Po, Koji Hino, Kasim Selcuk Candan, Divyakant Agrawal

May 2004 **Proceedings of the 13th international conference on World Wide Web WWW '04****Publisher:** ACM PressFull text available:  pdf(6.61 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

For most Web-based applications, contents are created dynamically based on the current state of a business, such as product prices and inventory, stored in database systems. These applications demand personalized content and track user behavior while maintaining application integrity. Many of such practices are not compatible with Web acceleration solutions. Consequently, although many web acceleration solutions have shown promising performance improvement and scalability, architecting and engine ...

Keywords: application server, dynamic content, edge server, fragment, j2ee, reliability, scalability, web acceleration

6 [Component-based software development: implications for documentation](#)

Robin Green

October 1999 **Proceedings of the 17th annual international conference on Computer documentation SIGDOC '99****Publisher:** ACM PressFull text available:  pdf(695.09 KB)Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The progressive shortening of software development cycles has led software vendors to seek new ways of delivering their product to the customer. When a software product is updated every two or three months, delivering the product only on CD is not a viable alternative. For projects such as IBM VisualAge® for Java™, where a component-based

strategy has been chosen for delivering software function, an equivalent strategy must be devised for delivering product documentation. This pap ...

Keywords: componentization, help system, navigation

7 Enabling dynamic content caching for database-driven web sites



K. Selçuk Candan, Wen-Syan Li, Qiong Luo, Wang-Pin Hsiung, Divyakant Agrawal
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: pdf(319.67 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Web performance is a key differentiation among content providers. Snafus and slowdowns at major web sites demonstrate the difficulty that companies face trying to scale to a large amount of web traffic. One solution to this problem is to store web content at server-side and edge-caches for fast delivery to the end users. However, for many e-commerce sites, web pages are created dynamically based on the current state of business processes, represented in application servers and *databases*

Keywords: JDBC, application server, database driven web site, dynamic content caching, invalidation, web acceleration

8 THESUS: Organizing Web document collections based on link semantics

Maria Halkidi, Benjamin Nguyen, Iraklis Varlamis, Michalis Vazirgiannis
November 2003 **The VLDB Journal – The International Journal on Very Large Data Bases**, Volume 12 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(262.85 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The requirements for effective search and management of the WWW are stronger than ever. Currently Web documents are classified based on their content not taking into account the fact that these documents are connected to each other by links. We claim that a page's classification is enriched by the detection of its incoming links' semantics. This would enable effective browsing and enhance the validity of search results in the WWW context. Another aspect that is underaddressed and str ...

Keywords: Document clustering, Link analysis, Link management, Semantics, Similarity measure, World Wide Web

9 Evaluating interaction: research papers: Evaluating the semantic memory of web interactions in the xMem project



Francesca Rizzo, Florian Daniel, Maristella Matera, Sharon Albertario, Anna Niboli
May 2006 **Proceedings of the working conference on Advanced visual interfaces AVI '06**


Publisher: ACM Press

Full text available: pdf(275.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As the amount of information on the World Wide Web continues to grow, efficient hypertext navigation mechanisms are becoming crucial. Among them, effective history mechanisms play an important role. We therefore decided to provide a new method to access users' navigation histories, called *xMem* (Extended Memory Navigation), building on semantic-based and associative accesses, so as to imitate some of the features of the human memory. Such a memory may give users better understanding of the ...

Keywords: experimental evaluation, human factors, hypertext navigation, information retrieving, usability, web history mechanisms, web interaction history, world wide web

10 Digital preservation: Building a research library for the history of the web

 William Y. Arms, Selcuk Aya, Pavel Dmitriev, Blazej J. Kot, Ruth Mitchell, Lucia Walle
June 2006 **Proceedings of the 6th ACM/IEEE-CS joint conference on Digital libraries JCDL '06**


Publisher: ACM Press

Full text available:  pdf(332.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the building of a research library for studying the Web, especially research on how the structure and content of the Web change over time. The library is particularly aimed at supporting social scientists for whom the Web is both a fascinating social phenomenon and a mirror on society. The library is built on the collections of the Internet Archive, which has been preserving a crawl of the Web every two months since 1996. The technical challenges in organizing this data for r ...

Keywords: computational social science, digital libraries, history of the web, internet archive

11 Application level performance: On the use and performance of content distribution networks

 Balachander Krishnamurthy, Craig Wills, Yin Zhang
November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement IMW '01**

Publisher: ACM Press

Full text available:  pdf(2.51 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Content distribution networks (CDNs) are a mechanism to deliver content to end users on behalf of origin Web sites. Content distribution offloads work from origin servers by serving some or all of the contents of Web pages. We found an order of magnitude increase in the number and percentage of popular origin sites using CDNs between November 1999 and December 2000. In this paper we discuss how CDNs are commonly used on the Web and define a methodology to study how well they perform. A performanc ...

12 WebViews: accessing personalized web content and services

 Juliana Freire, Bharat Kumar, Daniel Lieuwen
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**

Publisher: ACM Press

Full text available:  pdf(305.83 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Web clipping, content transcoding, dynamic content, electronic commerce, information delivery, personalization, smart bookmarks, voice interfaces, wrappers

13 Mining e-commerce data: the good, the bad, and the ugly

 Ron Kohavi
August 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining KDD '01**

Publisher: ACM PressFull text available:  pdf(505.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Organizations conducting Electronic Commerce (e-commerce) can greatly benefit from the insight that data mining of transactional and clickstream data provides. Such insight helps not only to improve the electronic channel (e.g., a web site), but it is also a learning vehicle for the bigger organization conducting business at brick-and-mortar stores. The e-commerce site serves as an early alert system for emerging patterns and a laboratory for experimentation. For successful data mining, several ...

Keywords: E-commerce, application server, data mining, web server, web site architecture

14 [HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering](#)

Ron Weiss, Bienvenido Vélez, Mark A. Sheldon

March 1996 **Proceedings of the the seventh ACM conference on Hypertext
HYPERTEXT '96**

Publisher: ACM PressFull text available:  pdf(2.00 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 [Data integrity: Content extraction signatures using XML digital signatures and custom transforms on-demand](#)

Laurence Bull, Peter Stanski, David McG. Squire

May 2003 **Proceedings of the 12th international conference on World Wide Web
WWW '03**

Publisher: ACM PressFull text available:  pdf(339.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Content Extraction Signatures (CES) enable selective disclosure of verifiable content, provide privacy for blinded content, and enable the signer to specify the content the document owner is allowed to extract or blind. Combined, these properties give what we call CES functionality. In this paper we describe our work in developing custom transform algorithms to expand the functionality of an XML Signature to include CES functionality in XML Signature Core Validation. We also describe a custom rev ...

Keywords: .Net framework XML signature API, XML signature custom transforms, XML signatures, content extraction signatures, dynamic signature verification

16 [Authoring for comprehension: From the writable web to global editability](#)

Angelo Di Iorio, Fabio Vitali

September 2005 **Proceedings of the sixteenth ACM conference on Hypertext and
hypermedia HYPERTEXT '05**

Publisher: ACM PressFull text available:  pdf(695.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The technical and competence requirements for writing content on the web is still one of the major factors that widens the gap between authors and readers. Although tools that support an easy approach to web writing, such as blogs and wikis, are becoming increasingly important and mainstream, they still lack in terms of layout and typographical sophistication, and, most importantly, only allow local editing (on the pages that are stored by the application itself). In this paper we re-propose an ...

Keywords: collaboration, customization, data collection, global editability, web authoring

17 Web engineering: validation: Model-directed web transactions under constrained modalities



Zan Sun, Jalal Mahmud, Saikat Mukherjee, I. V. Ramakrishnan

May 2006 **Proceedings of the 15th international conference on World Wide Web WWW '06**

Publisher: ACM Press

Full text available: pdf(484.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Online transactions (e.g., buying a book on the Web) typically involve a number of steps spanning several pages. Conducting such transactions under constrained interaction modalities as exemplified by small screen handhelds or interactive speech interfaces - the primary mode of communication for visually impaired individuals - is a strenuous, fatigue-inducing activity. But usually one needs to browse only a small fragment of a Web page to perform a transactional step such as a form fillou ...

Keywords: assisstive device, content adaption, web transaction

18 Visual information retrieval from large distributed online repositories



Shih-Fu Chang, John R. Smith, Mandis Beigi, Ana Benitez

December 1997 **Communications of the ACM**, Volume 40 Issue 12

Publisher: ACM Press

Full text available: pdf(1.96 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

19 Characterizing a national community web



Daniel Gomes, Mário J. Silva

August 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 3

Publisher: ACM Press

Full text available: pdf(364.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article presents a characterization of the community Web of the people of Portugal. We defined criteria for delimiting this Web based on our past experience of crawling pages related to Portugal and collected over 3.2 million documents from 46,000 sites satisfying those criteria. Our characterization was derived from this crawl. We describe the rules that we established for defining the boundaries of this community Web and the methodology used to gather statistics. Statistics cover the numb ...

Keywords: Portuguese Web, Web characterization, Web communities, Web measurements

20 Traffic: Delving into internet streaming media delivery: a quality and resource utilization perspective



Lei Guo, Enhua Tan, Songqing Chen, Zhen Xiao, Oliver Spatscheck, Xiaodong Zhang

October 2006 **Proceedings of the 6th ACM SIGCOMM on Internet measurement IMC '06**

Publisher: ACM Press

Full text available: pdf(754.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Modern Internet streaming services have utilized various techniques to improve the quality of streaming media delivery. Despite the characterization of media access patterns

and user behaviors in many measurement studies, few studies have focused on the streaming techniques themselves, particularly on the quality of streaming experiences they offer end users and on the resources of the media systems that they consume. In order to gain insights into current streaming services techniques and thus ...

Keywords: multimedia streaming, traffic analysis

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IEEE CNF IEEE Conference Proceeding

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Volume 21, Issue 6, Aug. 2003 Page(s):979 - 994
Digital Object Identifier 10.1109/JSAC.2003.814608
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